

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **4RSRK-150-HE-L930**

Issue Date: 3/3/2020



Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-041-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4RSRK-150-HE-L930
Description: 4ft RSRK, 1500 LUMEN PER FOOT 90CRI 3000K CCT WITH NO LENS
Light Source: -
Ballast/Driver: -

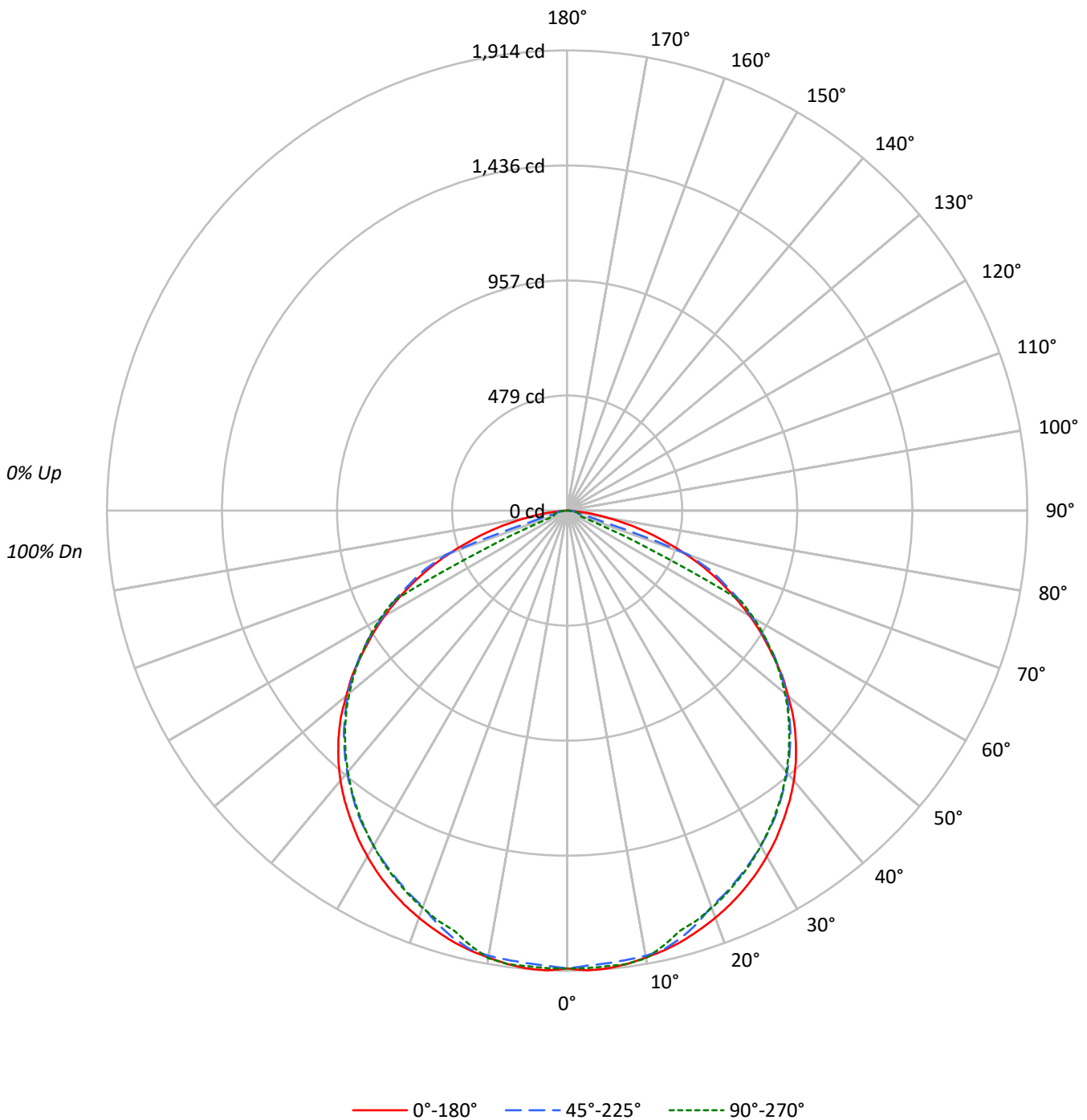
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5243.3 lumens
Efficiency: N/A
Efficacy: 118.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.26 / 1.4
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 44.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10	0		
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	110	105	102	98	107	103	100	96	99	96	93		95	93	91		92	90	88	86
2	100	93	86	81	98	91	85	80	87	82	78		84	80	76		81	78	74	72
3	92	81	74	67	89	80	73	67	77	71	66		74	69	65		72	67	63	61
4	84	72	64	57	82	71	63	57	68	62	56		66	60	55		64	59	55	52
5	77	65	56	49	75	63	55	49	61	54	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	37		49	42	37		47	41	37	35
8	61	48	39	34	60	47	39	34	46	39	33		45	38	33		43	37	33	31
9	57	44	36	30	56	43	36	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	27	52	40	32	27	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5125	5125	5125
5°	5165	5105	5138
10°	5158	5138	5164
15°	5164	5123	5042
20°	5161	5022	5036
25°	5164	5005	5020
30°	5162	5004	5004
35°	5154	5010	4994
40°	5153	4999	4982
45°	5119	4999	4971
50°	5020	4990	4949
55°	4884	4930	4907
60°	4726	4778	4830
65°	4476	4600	2432
70°	4095	4191	459
75°	3515	505	556
80°	2639	640	640
85°	1352	676	602



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.9	3.5
10°-20°	518.4	9.9
20°-30°	788.0	15.0
30°-40°	959.9	18.3
40°-50°	1015.7	19.4
50°-60°	931.7	17.8
60°-70°	628.4	12.0
70°-80°	189.9	3.6
80°-90°	30.4	0.6
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1487.3	28.4
0°-40°	2447.2	46.7
0°-60°	4394.6	83.8
0°-90°	5243.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5243.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1905	1905	1905	1905	1905	
5°	1912	1897	1890	1907	1902	182
15°	1854	1844	1839	1824	1810	523
25°	1739	1737	1686	1703	1691	802
35°	1569	1535	1525	1530	1520	982
45°	1345	1314	1314	1316	1306	1036
55°	1041	1026	1051	1051	1046	932
65°	703	693	722	732	382	694
75°	338	340	49	54	54	358
85°	44	22	22	20	20	67
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1904.6	1904.6	1904.6	1904.6	1904.6
2.5°	1914.4	1899.7	1894.9	1907.0	1904.6
5°	1911.9	1897.3	1890.0	1907.0	1902.2
7.5°	1902.2	1887.6	1885.2	1904.6	1902.2
10°	1887.6	1877.9	1880.3	1897.3	1890.0
12.5°	1873.0	1863.3	1868.1	1863.3	1853.5
15°	1853.5	1843.8	1838.9	1824.3	1809.7
17.5°	1829.2	1824.3	1800.0	1795.2	1787.9
20°	1802.4	1802.4	1753.8	1768.4	1758.7
22.5°	1773.2	1773.2	1722.2	1736.8	1727.0
25°	1739.2	1736.8	1685.7	1702.7	1690.6
27.5°	1702.7	1690.6	1649.2	1663.8	1654.1
30°	1661.4	1639.5	1610.3	1620.0	1610.3
32.5°	1617.6	1586.0	1568.9	1576.2	1566.5
35°	1568.9	1534.9	1525.2	1530.0	1520.3
37.5°	1520.3	1483.8	1474.1	1481.3	1471.6
40°	1466.8	1432.7	1423.0	1427.9	1418.1
42.5°	1408.4	1379.2	1369.5	1371.9	1364.6
45°	1345.1	1313.5	1313.5	1315.9	1306.2
47.5°	1277.0	1250.3	1252.7	1255.1	1247.8
50°	1199.2	1179.7	1191.9	1194.4	1182.2
52.5°	1126.3	1106.8	1121.3	1126.3	1116.5
55°	1041.1	1026.5	1050.8	1050.8	1046.0
57.5°	960.8	946.2	970.6	980.3	973.0
60°	878.1	863.6	887.8	904.9	897.5
62.5°	790.5	778.4	807.6	829.4	814.9
65°	703.0	693.2	722.4	732.1	381.9
67.5°	613.0	605.7	639.8	231.1	60.8
70°	520.5	513.3	532.7	58.4	58.4
72.5°	425.7	428.1	170.3	56.0	56.0
75°	338.1	340.5	48.6	53.5	53.5
77.5°	250.6	255.4	46.2	48.6	48.6
80°	170.3	124.1	41.3	41.3	41.3
82.5°	102.2	29.2	31.6	31.6	29.2
85°	43.8	21.9	21.9	19.5	19.5
87.5°	14.6	9.7	9.7	7.3	7.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)